

AMENDMENTS TO THE CLAIMS

CLAIM 1 (CURRENTLY AMENDED): A bicycle shift control device which operates a shifting mechanism via a shift control cable, the shift control device comprising:

a mounting member structured to mount the shift control device to a handlebar, wherein the mounting member defines a handlebar mounting axis (HB);

a control body supported by the mounting member and rotatable about a rotational axis (X) for controlling the shift control cable;

a first operating body having an abutment in a position spaced apart from the control body and which is coupled to the shift control device for displacement between a first home position and a first shift position;

a first transmission which converts the displacement of the first operating body from the first home position to the first shift position into a rotational displacement of the control body, wherein the first transmission includes a plurality of ratchet teeth;

an interface member movably mounted relative to the first operating body and having an operating force receiving surface and an operating force applying surface, wherein the operating force receiving surface is adapted to receive an operating force from a rider;

wherein the interface member pivots around a pivot axis (P) so that the operating force applying surface applies the operating force to the abutment of the first operating body for moving the first operating body from the first home position to the first shift position;

wherein the pivot axis (P) is inclined relative to the handlebar mounting axis (HB) when viewed horizontally; and

wherein the interface member moves in a direction toward a plane (PL) that contains the handlebar mounting axis (HB) and is parallel with the rotational axis (X) when the first operating body moves from the first home position toward the first shift position.

CLAIM 2 (ORIGINAL): The device according to claim 1 wherein the plurality of ratchet teeth are disposed in a ratchet teeth plane (T), and wherein the ratchet teeth plane (T) is parallel to a horizontal axis (H).

CLAIM 3 (ORIGINAL): The device according to claim 1 wherein the plurality of ratchet teeth are disposed in a ratchet teeth plane (T), and wherein a path of movement of the first operating body is substantially parallel to the ratchet teeth plane (T).

CLAIM 4 (ORIGINAL): The device according to claim 1 wherein the pivot axis (P) is substantially perpendicular to the handlebar mounting axis (HB).

CLAIM 5 (ORIGINAL): The device according to claim 1 wherein the pivot axis (P) is substantially parallel to the rotational axis (X).

CLAIM 6 (ORIGINAL): The device according to claim 1 wherein the interface member comprises a lever.

CLAIM 7 (ORIGINAL): The device according to claim 6 wherein the lever comprises:  
an operating force receiving member extending from the pivot axis (P); and  
an operating force applying member extending from the operating force receiving member.

CLAIM 8 (ORIGINAL): The device according to claim 7 wherein the pivot axis (P) is disposed at a junction between the operating force receiving member and the operating force applying member.

CLAIM 9 (CURRENTLY AMENDED): The device according to claim 7 wherein the lever has a substantially L shape so that operating force receiving member is disposed on one leg of the L and the operating force applying member is disposed on the other leg of the L.

CLAIM 10 (ORIGINAL): The device according to claim 9 wherein the operating force applying member extends substantially perpendicular from the operating force receiving member.

CLAIM 11 (ORIGINAL): The device according to claim 1 wherein the first operating body moves linearly between the first home position and the first shift position.

CLAIM 12 (ORIGINAL): The device according to claim 11 wherein the first operating body moves in a straight line between the first home position and the first shift position.

CLAIM 13 (PREVIOUSLY PRESENTED): The device according to claim 1 further comprising:

a second operating body coupled to the shift control device for displacement between a second home position and a second shift position; and

a second transmission which converts the displacement of the second operating body from the second home position to the second shift position into a rotational displacement of the control body.

CLAIM 14 (ORIGINAL): The device according to claim 13 wherein the second operating body rotates between the second home position and the second shift position.

CLAIM 15 (ORIGINAL): The device according to claim 14 wherein the second operating body forms a finger contact part in a position spaced apart from the control body.

CLAIM 16 (ORIGINAL): The device according to claim 15 wherein the second operating body rotates around the rotational axis (X).

CLAIM 17 (ORIGINAL): The device according to claim 16 wherein the first operating body moves in a straight line between the first home position and the first shift position.

CLAIM 18 (NEW): The device according to claim 1 wherein the pivot axis (P) is substantially perpendicular to the handlebar mounting axis and substantially parallel to the rotational axis (X).

CLAIM 19 (NEW): The device according to claim 7 wherein the pivot axis (P) extends through an end portion of at least one of the operating force receiving member or the operating force applying member.

CLAIM 20 (NEW): The device according to claim 19 wherein the operating force receiving member extends away from the pivot axis (P), and wherein the operating force applying member extends away from the operating force receiving member and away from the pivot axis (P).

CLAIM 21 (NEW): The device according to claim 20 wherein the pivot axis (P) is disposed at a junction between the operating force receiving member and the operating force applying member.

CLAIM 22 (NEW): The device according to claim 9 wherein the pivot axis (P) is oriented so that the interface member pivots to move the interface member when the rider applies a rearward motion of a thumb or finger.

CLAIM 23 (NEW): The device according to claim 9 wherein the pivot axis (P) is oriented so that the interface member pivots to move the interface member when the rider applies a forward motion of a thumb or finger.

CLAIM 24 (NEW): The device according to claim 9 wherein the pivot axis (P) is oriented so that the interface member pivots to move the interface member when the rider applies a lateral sliding motion of a thumb or finger.